

news release



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TIED UP IN A TECHNICAL KNOT? UNWIND AT CONCORDIA'S ENGINEERING OPEN HOUSE

If a technical problem is bugging you -- from what happens to your house if it's hit by an earthquake to your broken t.v. circuit -- you just might find the solution by talking to a Concordia engineer during the series of Engineering open houses in mid-March.

The series gives Montrealers a chance to query the experts and survey the often surprising range of engineering activity at Concordia. Visitors can see how an artificial heart pump works, how Concordia's prize-winning solar energy collector system works and discover the merits of a clap circuit, a device that activates electrical appliances at the clap of a pair of hands. And if you are really concerned about earthquakes, there's an earthquake simulator lab to visit.

The series is to run three days, with most activities beginning at 2 p.m. and running through 5 p.m. Electrical sparks one hour earlier at 1 p.m. and runs through 6 p.m. Those with questions relating to areas in Electrical Engineering and Computer Science should be on hand at the Sir George Williams Campus March 16; Mechanical Engineering and Civil Engineering activities are slated for March 18 at Sir George Williams; all Loyola Campus engineering activities are scheduled for March 23.

Some highlights --

At SGW Campus, March 16: Electrical Engineering will display a moon landing simulation, a variety of exhibits relating to circuits, show how an electronic ignition system works and show the principles behind a remote control activator: a terrific device for the working homemaker who wants to turn on the stove for the evening meal while still at work downtown. In addition there will be a variety of film and slide presentations.

Computer Science promises the novice a series of mind-boggling computer games that will challenge the most expert 'pong' player, and the department will stage a series of computer graphic displays; the whys and wherefores of the computer age will be explained during the open house and the department will show off its spanking new laboratory.

At SGW Campus, March 18: the amazing world of fluid control where water jets can be harnessed to chop wood (or slice tomatoes) will be explored in the Fluid Control Centre. The artificial heart pump, another result of fluid control research, will

be displayed and explained; the energy debate comes up in the solar energy collector exhibit; cutaway models of a variety of engines will go on display during the Mechanical Engineering open house. Concordia 1, the futuristic car mock-up, will also be on show.

Civil Engineering promises to shake visitors up a little with a tour of the earthquake simulator lab located in the Hall Building basement; other topics, besides stress analysis, to be covered include a look at hydraulics, structures generally and soil mechanics.

At Loyola Campus, March 23: The Mini-Instrument Data Acquisition System (MIDAS) computer will be displayed. The once small computer was expanded and beefed up by students and faculty to the point where many regard it as one of the best examples of man-machine interaction, processing information from a staggering variety of inputs from many academic departments besides those in Engineering.

In cooperation with Communications Arts at Loyola, for example, the machine has been put to work measuring an individual's response to stimuli, and the test process has been adapted by the CBC to determine audience reaction to test programming.

Many other exhibits are planned, including the famous Wankel (Death to Piston Power!) rotary engine.

All sessions end with coffee and doughnuts and a discussion period with students and faculty.

All those interested in attending the Sir George campus open houses are urged to meet at the Hall Building Information Desk, de Maisonneuve at Bishop. At Loyola, the rendez-vous point is the main floor of the Central building.

For more, contact Heather Dubreuil at 879-5838.

Joel McCormick
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COMMUNIQUÉ



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CONCORDIA INVITE LE PUBLIC A SA FACULTE DE GENIE

Si vous voulez percer les secrets des problèmes techniques qui se présentent dans votre vie, qu'il s'agisse d'un tremblement de terre ou de l'appareil de télévision en panne, vous pourrez le faire en vous rendant à trois "open house" organisés par la Faculté de Génie de l'Université Concordia, à compter de la semaine prochaine.

Le public montréalais aura au cours de ces visites l'occasion de voir comment fonctionne le système-capteur d'énergie solaire qui a mérité un prix à Concordia; il pourra aussi apprécier le fonctionnement d'un dispositif qui permet d'activer des appareils électriques simplement en battant des mains. Enfin il y a aussi le simulateur de tremblement de terre.

Ces visites auront lieu trois jours différents entre 14 et 17 heures. C'est le 16 mars, soit mardi prochain, qu'aura lieu l'"open house" en Génie électrique et Informatique au campus Sir George Williams au pavillon Hall. Egalement à Sir George, le 18 mars, ce sera la visite des départements de Génie mécanique et de Génie civil. Enfin, le 23 mars, au campus Loyola, le public pourra voir le grand projet Midas, qui est un système intégré d'ingénierie et de communication. Ainsi un sujet est relié à un ordinateur, qui va enregistrer les réactions de ses yeux et de son coeur et ainsi déterminer si ses réponses correspondent bien à ses pensées. Ce système est adapté à un circuit de télévision et pourrait servir à des enquêtes télévisées.

Les professeurs et étudiants en Génie des deux campus seront disponibles pour répondre aux questions du public.

Pour ces visites il faut se rendre au pavillon Hall sur le campus Sir George Williams, au coin de Maisonneuve et Bishop ou à l'édifice central sur le campus Loyola, 7141 ouest, Sherbrooke. Pour tous renseignements communiquer avec Charles Giguère ou Heather Dubreuil à 879-5838.

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Rédacteur